



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

10 November 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: October 24, 2003

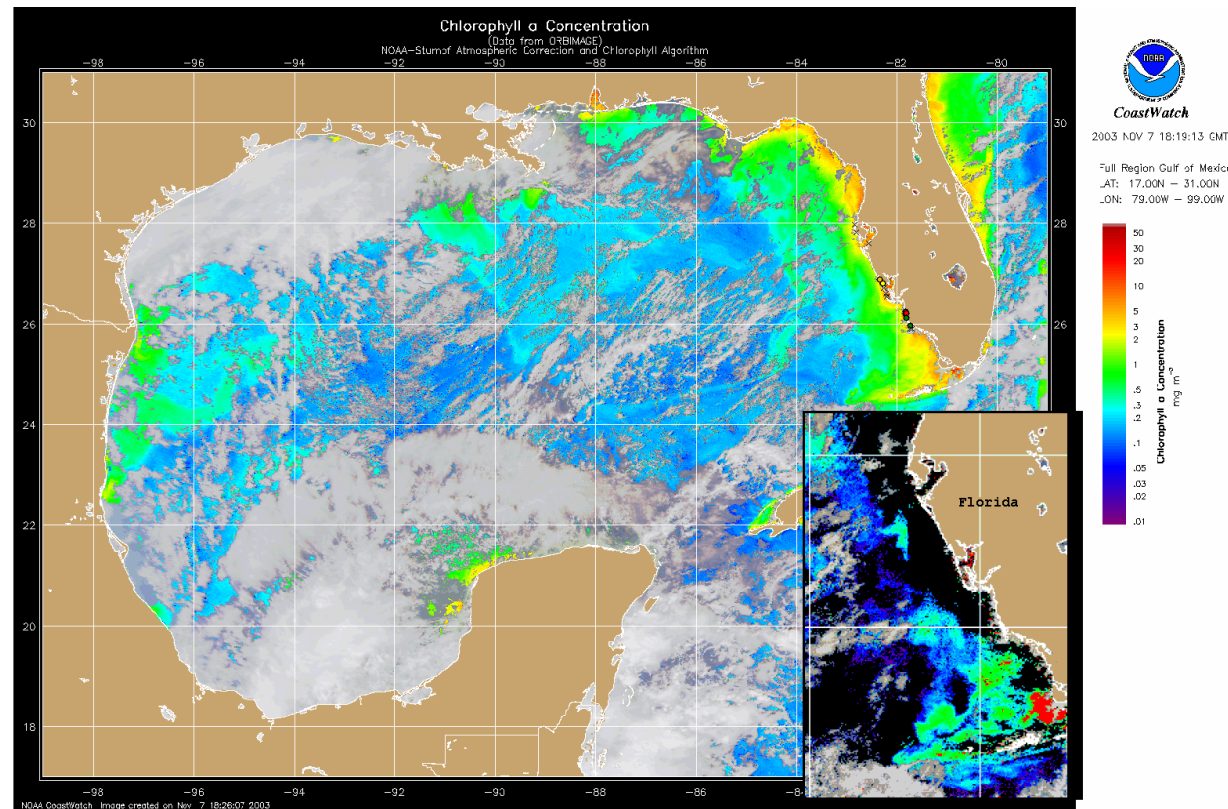
Analysis

SW Florida:

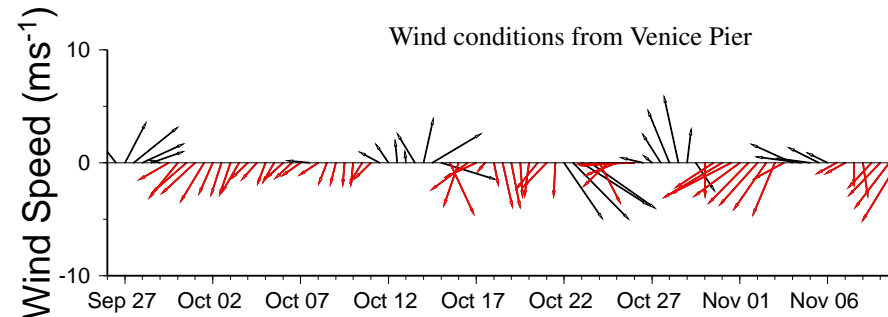
Chlorophyll has diminished west of 82W, and SW of Cape Romano. Some pockets of elevated chlorophyll west of Marquesas. A bloom off Cape Romano (around 81.7W, 25.5 N). This is probably a diatom bloom, but may have some *Karenia*. The bloom is trailing out to the southwest. Area from Venice to Bradenton has low chlorophyll, lowest in a few months. A sizable bloom (probably of diatom, *Rhizosolenia*) has developed off Cape Sable (81.2W, 25N), chlorophyll over 5 ug/L.

NW Florida. Somewhat elevated chlorophyll around Cape St. George. During last week there was an unspecified algal bloom occurring around Cape St. George and St. Vincent Island (85W, 29.3N; area partially obscured here). Probably not *Karenia brevis*, but warrants awareness.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from October 23, 2003 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

NEerly and easterly winds through the week (through Nov 14). Reduced chance of impacts of any blooms at the coast. Continued southerly transport expected.

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